Welcome back to Erikson
Early Math iNNOVATIONS!

erikson
early mathematics education

Content Focus

- October: *Numerosity & Number Sense*
- November: *Counting, Cardinality & Number Sense*
- Today: ***Number Composition***

Strategy Focus

- October: *Turn & Talk*
- November: *Learners rephrase other learners' thinking*
- Today: ***Learners rephrase other learners' thinking***

“What the heck is a rekenrek?”

What number structures are easy to see and use on the rekenrek?

Activities on the rekenrek to build children’s thinking about number composition

How do children develop understanding of number composition?

What are the ***Big Ideas***?

A Big Idea about
Number Composition

- A quantity (whole) can be “broken apart” (decomposed) into parts, and the parts can be combined (composed) to form the whole.
  - For any given quantity (whole), there are different ways to compose and decompose it.

Another Big Idea about
Number Composition

- As numbers get larger, using doubles, 5s, 10s and 100s allow for efficient composition and decomposition of numbers for operations.

Common Core Standards for Mathematical Practice

- How were these practices enacted in the classroom in the videos?
- How do these practices relate to the effective strategies we have been focusing on?
  - ***Turn & Talk***
  - ***Learners rephrase other learners' thinking***

Using good books to help students explore number composition

- Where's the math in the book?
  - What are the Big Ideas?
- How can you bring the math out of the book?
  - What kind of activities could you use to develop children's thinking about the math of the book?